

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/945,376

DATE: 09/21/2001

TIME: 20:40:56

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\09212001\I945376.raw

ENTERED

4 <110> APPLICANT: Simmons, Carl R.
5 Yalpani, Nasser
6 Acevedo, Pedro A. Navarro
7 Tossberg, John T.
9 <120> TITLE OF INVENTION: Major Latex Protein Gene and Promoter
10 and Their Uses
12 <130> FILE REFERENCE: 35718/237948
C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/945,376
C--> 14 <141> CURRENT FILING DATE: 2001-08-31
14 <150> PRIOR APPLICATION NUMBER: 60/231,418
15 <151> PRIOR FILING DATE: 2000-09-05
17 <160> NUMBER OF SEQ ID NOS: 3
19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 835
23 <212> TYPE: DNA
24 <213> ORGANISM: Zea mays
26 <220> FEATURE:
27 <221> NAME/KEY: CDS
28 <222> LOCATION: (78)...(542)
30 <400> SEQUENCE: 1
31 ggcgaggtct caccatgcc agacacacta tagaccacag ccagtcagcc acatcactag 60
32 ctatctgtgc agaggca atg gcg tcc aag gtt gag ctg gtg gag gtc 110
33 Met Ala Ser Lys Val Glu Leu Val Val Glu Val
34 1 5 10
36 aag tcc ccg gct gac aag ctg tgg gcg gcg ctg cgt gac tcg acg gag 158
37 Lys Ser Pro Ala Asp Lys Leu Trp Ala Ala Leu Arg Asp Ser Thr Glu
38 15 20 25
40 ctg ttc ccc aag atc ttc ccc gag cag tac aag agc atc gag acc gtc 206
41 Leu Phe Pro Lys Ile Phe Pro Glu Gln Tyr Lys Ser Ile Glu Thr Val
42 30 35 40
44 gag ggc gac ggc aag tcg gcc ggc acc gtc cgc ctc ctc aag tac acc 254
45 Glu Gly Asp Gly Lys Ser Ala Gly Thr Val Arg Leu Leu Lys Tyr Thr
46 45 50 55
48 gag gcg gtg ccg atg ctg acg ttc gcc aag gag aag ctt gag acg gcg 302
49 Glu Ala Val Pro Met Leu Thr Phe Ala Lys Glu Lys Leu Glu Thr Ala
50 60 65 70 75
52 gac gac gag aac aag gtg gtg tcg tac agc gtg gtg gac ggc gag ctg 350
53 Asp Asp Glu Asn Lys Val Val Ser Tyr Ser Val Val Asp Gly Glu Leu
54 80 85 90
56 gcg gac ttc tac aag aac ttc aag atc acg ctg aag gtg act ccg gcc 398
57 Ala Asp Phe Tyr Lys Asn Phe Lys Ile Thr Leu Lys Val Thr Pro Ala
58 95 100 105
60 aag gcg gag ggc gag ggc gcc gtc gtc agc tgg gcc atg gag ttc 446
61 Lys Ala Glu Gly Glu Gly Gly Ala Val Val Ser Trp Ala Met Glu Phe
62 110 115 120
64 gac aag gcc aac gac cag gtg cct gac ccg gac gtc atc aag gag acc 494

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```

65 Asp Lys Ala Asn Asp Gln Val Pro Asp Pro Asp Val Ile Lys Glu Thr
66     125                      130                      135
68 gcc acc aag acg ttc cac gac ctc gac gac tac ctc ctc aag aac tag   542
69 Ala Thr Lys Thr Phe His Asp Leu Asp Asp Tyr Leu Leu Lys Asn  *
70 140                      145                      150
72 atggagcgag aactggagat ggtccagtag agtacagttc cagtccattc atcgacgcgt 602
73 cacagtttac tagtgacagt cgctgggtgtg gtgtgggtgcc cgtgctggtt ccttaatttg 662
74 cttactagct agctacgtac cgcggtccgt gtccttgtct ctggctgatg ttgtctgcct 722
75 gcgtccgctg tgcacccgac gacgtgtcgt tgcgttgccg accggtcctc cgagtcaata 782
76 aagctctccg tgttcattgc gcatcgcttc gaaccaaaaa aaaaaaaaaa aaa      835
78 <210> SEQ ID NO: 2
79 <211> LENGTH: 154
80 <212> TYPE: PRT
81 <213> ORGANISM: Zea mays
83 <400> SEQUENCE: 2
84 Met Ala Ser Lys Val Glu Leu Val Val Glu Val Lys Ser Pro Ala Asp
85 1          5          10          15
86 Lys Leu Trp Ala Ala Leu Arg Asp Ser Thr Glu Leu Phe Pro Lys Ile
87          20          25          30
88 Phe Pro Glu Gln Tyr Lys Ser Ile Glu Thr Val Glu Gly Asp Gly Lys
89          35          40          45
90 Ser Ala Gly Thr Val Arg Leu Leu Lys Tyr Thr Glu Ala Val Pro Met
91          50          55          60
92 Leu Thr Phe Ala Lys Glu Lys Leu Glu Thr Ala Asp Asp Glu Asn Lys
93 65          70          75          80
94 Val Val Ser Tyr Ser Val Val Asp Gly Glu Leu Ala Asp Phe Tyr Lys
95          85          90          95
96 Asn Phe Lys Ile Thr Leu Lys Val Thr Pro Ala Lys Ala Glu Gly Glu
97          100         105         110
98 Gly Gly Ala Val Val Ser Trp Ala Met Glu Phe Asp Lys Ala Asn Asp
99          115         120         125
100 Gln Val Pro Asp Pro Asp Val Ile Lys Glu Thr Ala Thr Lys Thr Phe
101          130         135         140
102 His Asp Leu Asp Asp Tyr Leu Leu Lys Asn
103 145          150
106 <210> SEQ ID NO: 3
107 <211> LENGTH: 1030
108 <212> TYPE: DNA
109 <213> ORGANISM: Zea mays
111 <400> SEQUENCE: 3
112 cttactatag ggcacgcgtg gtcgacggcc cgggctggtg tgaaggtggg aacctcactg 60
113 gatgcatata ctgctgagag ataacatcac aattcacaag cttcgatgtc actacagcct 120
114 acagccattc cgagcagggc gcttaggacg gccgtcaata acttgaggga actgccaaga 180
115 atgtggatta caacagttct atctgagcga cagtctaaac gcagctttgt atagtcattt 240
116 ttatctcccc aaccggcatt agtaagcagg cccccaacgc attcaaattc gatgtaattg 300
117 tctaacttcat tttggttcag atttgaacga tgtcagtttc aatccacatg caacagaatc 360
118 cgcagaagaa ttcattccat tcacacataa agcagcaaca gaagttaaac cataaacatc 420
119 caattaacga gttgcatttt agatctttta gagaggacaa cctgggctgc agacgagaca 480
120 aattcggcat caacaacctt ttcgcgcaca agtaatgttt gggtaggcct gaaccgctcg 540

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```
121 ctattgcagt tgggggttggg tggcacccga tggatgtccc atccgaactt gtctccaact 600
122 ctgcattttc ggttcagagc agtactgcat ttgccattg tcgcctgcac gagagactcg 660
123 ttactgttcc ggccggaacc ggacctccct cctgctgctg ccaactgcca accagacctg 720
124 gcatggcctg gtggcgatcat ctaattttctc ctatcaaaga atcacctccc attactccgc 780
125 cctgtgcggc gacctcgtgc cctcgaattc cacgggcaca cgggtgcaggc acaccaccgc 840
126 catcaaaata cggcctcttt gcggcacgga tctgcaccga cgggcgcaat tgaattcgag 900
127 cctgatcgag gtggttgat cgcgcaggga aaccttgaat ggccggcatc agtagcaccg 960
128 gcacgtcacc tctgaagaag agctgtcgcg gtctgagatg tcgctggctc tgtatatata 1020
129 caaggctctg 1030
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/945,376

DATE: 09/21/2001

TIME: 20:40:57

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\09212001\I945376.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date